

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

Ji-Guang Zhang

Serial No. 10/617,839

Filed: July 11, 2003

For: SYSTEM & METHOD OF
PRODUCING THIN-FILM
ELECTROLYTE



Examiner:

Art Group:

INFORMATION DISCLOSURE STATEMENT

Honorable Assistant Commissioner of Patents
Box IDS
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §§ 1.56 and 1.97, counsel for applicant hereby submits information for consideration by the Examiner during the prosecution of the above-identified patent application as listed on the accompanying Form PTO 1449. A copy of the non-patent cited information is enclosed.

Respectfully submitted,

Dorian B. Kennedy
Reg. No. 36,840

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Docket No. 170239-00046

I hereby certify that this correspondence is being deposited with
the United States Postal Service as First Class Mail
in an envelope addressed to: Asst. Commissioner of
Patents, Box IDS, Washington, D.C. 20231 on
this 23 day of October, 2003.

Signature

Dorian B. Kennedy

FORM PTO-1449
(Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.: 170239-00046
SERIAL NO.: 10/617,839
APPLICANT: Ji-Guang Zhang
FILING DATE: 07/11/03
ART GROUP:
EXAMINER:
Sheet 1 of 2

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets in necessary)

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	AA	3,237,078	2/66	H.R. Mallory	320	17	3/14/63
	AB	3,393,355	7/68	P.J. Whoriskey et al	320	18	8/9/65
	AC	4,154,902	5/79	Schwartz	429	15	9/13/76
	AD	4,303,877	12/81	Meinhold	320	18	5/1/79
	AE	4,614,905	9/86	Petersson et al.	320	18	10/10/83
	AF	4,654,281	3/87	Anderman et al.	429	209	3/24/86
	AG	4,719,401	1/88	Altmejd	320	13	12/4/85
	AH	4,996,129	2/91	Tuck	429	194	12/29/88
	AI	5,270,635	12/93	Hoffman et al.	320	21	2/14/92
	AJ	5,291,116	3/94	Feldstein	320	4	9/23/92
	AK	5,314,765	5/94	Bates	429	194	10/14/93
	AL	5,336,573	8/94	Zuckerbrod et al.	429	252	7/20/93
	AM	5,338,625	8/94	Bates et al.	429	193	7/20/92
	AN	5,362,581	11/94	Chang et al.	429	249	4/1/93
	AO	5,387,857	2/95	Honda et al.	320	18	2/7/92
	AP	5,411,592	5/95	Ovsbinsky et al.	118	718	6/6/94
	AQ	5,445,906	8/95	Hobson et al.	429	162	8/3/94
	AR	5,455,126	10/95	Bates et al.	429	127	5/25/94
	AS	5,512,147	4/96	Bates et al.	204	192.15	5/25/94
	AT	5,561,004	10/96	Bates et al.	429	162	2/25/94
	AU	5,567,210	10/96	Bates et al.	29	623.5	7/12/94
	AV	5,569,520	10/96	Bates	429	162	6/7/95
	AW	5,589,291	12/96	Carlin et al.	429	103	2/22/96
	AX	5,597,660	1/97	Bates et al.	429	191	5/25/94
	AY	5,612,152	3/97	Bates	429	152	4/17/96
	AZ	5,654,084	8/97	Egert	428	215	7/22/94
	BA	5,778,515	7/98	Menon	28	623.4	4/11/97
	BB	5,783,928	7/98	Okamura	320	122	4/2/93
	BC	5,811,205	9/98	Andrieu et al.	429	137	12/27/95
	BD	5,821,733	10/98	Turnbull	320	116	12/16/96





Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date
	BE	5,932,375	8/99	Tarcy et al.	429	231.95	11/19/97
	BF	6,071,797	6/00	Endo et al.	438	488	9/24/96
	BG	6,197,450	3/01	Nathan et al.	429	236	10/22/98
	BH	6,235,425	5/01	Hanson et al.	429	209	12/12/97

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	BI	Journal of Power Sources, P. Fragnaud, R. Nagarajan, D.M. Schleich, D. Vujic, Thin-film cathodes for secondary lithium batteries, 1995
	BJ	Materials Research Society, The Preparation and Characterization of Lithium Cobalt Oxide Thin Films by LPCVD, 1996
	BK	Journal of Power Sources, Thin film solid electrolytes and electrodes for rechargeable lithium-ion batteries, J. Schoonman, E.M. Kelder, 1997
	BL	Solid State Ionics, Fabrication of LiCoO ₂ thin film cathodes for rechargeable lithium battery by electrostatic spray pyrolysis, C.H. Chen et al., 1995
	BM	Journal of Materials Science, Unique porous LiCoO ₂ thin layers prepared by electrostatic spray deposition. C.H. Chen et al., 1996
	BN	Chemical Congress, Hiroshima, May 1997
	BO	Materials Research Society, Volume 369, 1995, pages 136-147
	BP	Reprint from Journal of the Electrochemical Society, Volume 144, No. 2, February 1997
	BQ	Li-Ion Thin-Film Batteries with Tin and Indium Nitride and Subnitride Anodes MeN _x (Me=Sn, In) by B.J. Neudecker and R.A. Zuh, November 1999
	BR	Solid State Ionics 53-26 (1992) 647-654 North Holland, "Electrical properties of amorphous lithium electrolyte thin films" J.B. Bates et al.
	BS	Journal of the Electrochemical Society, 148 (11) A1260-A1265 (2001) "Electrochemical Properties of Carbonaceous Thin Films Prepared by Plasma Chemical Vapor Deposition" Tomokazu Fukutsuka et al.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.